

ABSTRACT OF THE INVENTION

A WLAN (Wireless Local Area Network) device having a smart antenna system is disclosed for increasing the number of user under a limited bandwidth and a confined
5 environment. The WLAN device having the smart antenna system comprises: a plurality of WLAN transceiver module; and a plurality of directional antennas or array antennas installed on the WLAN transceiver modules by the way of one-to-one, wherein each of the array antennas is composed of a plurality of omni-directional antenna, such as dipole antennas.